





Comment	Description	Designator	Footprint	LibRef	Quantity
Pi Pico (Physical)	Dual-Core RP2040-Based Microcontroller Board	A	Raspberry-Pi-Pico (THT, On Headers)	Raspberry-Pi-Pico-Physical	1
10uF Tan Capacitor	Capacitor Polarised	C1, C2	TAP106M016DCS	TAP106M016DCS	2
10uF	Capacitor Polarised	C3	CAPPRD150W50D400H600	ECE-A1CKS100	1
1N5817	Diode	D1	DIOAD1405W86L465D235	1N5817	1
AMS1117-1.8	Integrated Circuit	IC1	SOT229P700X180-4N	AMS1117-1.8	1
DAC Audio	Integrated Circuit	IC2	3678	3678	1
LM3915N-1	Integrated Circuit	IC3	DIP794W56P254L2286H533Q18N	LM3915N-1	1
IR Sensor	IR Sensor	J1	HDRV3W63P0X254_1X3_762X369X950P	825433-3	1
PDM Mic	Connector	J2	HDRV5W67P0X254_1X5_1229X234X821P	5-146280-5	1
RGB LED Driver Header	Connector	J3	HDRV10W50P12X200_1X10_2000X218X525P	M22-2011005	1
Speaker Amp	Connector	J4	HDRV5W67P0X254_1X5_1229X234X821P	5-146280-5	1
12V Jack	Connector	J5	1517620EE	151-7620E-E	1
LED Driver Header	Connector	J6	HDRV10W50P12X200_1X10_2000X218X525P	M22-2011005	1
Power switch	Connector	J7	872242	87224-2	1
BC557ATA	Transistor BJT PNP	Q1, Q2, Q3, Q4, Q5, Q6, Q7, Q8, Q9, Q10	BC33740TA	BC557ATA	10
1kOhms	Resistor	R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11	RESAD1590W60L630D240	MFR-25FBF52-1K	11
TSR_1-2450	Undefined or Miscellaneous	U1	TSR-1-24120	TSR_1-2450	1
Trimmer	Variable Resistor	VR1	N6L25T3N1033030	N6L25T3N-103-3030	1